

To: Smith, Terry[Smith.Terry@epa.gov]
From: Ostrander, David
Sent: Mon 11/9/2015 9:11:09 PM
Subject: FW: GKM Mine Adit Sampling
Adit data summary draft 110415.doc.docx

fyi

From: McKean, Deborah
Sent: Wednesday, November 04, 2015 3:49 PM
To: Ostrander, David; Wharton, Steve
Subject: RE: GKM Mine Adit Sampling

I can't see any difference in the data spreadsheets I reviewed and the attached reports. The only data point that I noticed on these reports that I did not include in my original summary was surface water pH. So, I added that info to the summary – attached.

From: Ostrander, David
Sent: Friday, October 30, 2015 10:22 AM
To: McKean, Deborah; Wharton, Steve
Subject: FW: GKM Mine Adit Sampling

I got this complete set of reports today. Not sure if you had seen all of these. I noticed we had what looked like a high number on strontium and a positive hit on vanadium. These could generate questions about analysis downstream. Do we routinely test for these analytes with our metals analyses on water and sediment?

From: Pryhoda, Moira [<mailto:Moira.Pryhoda@WestonSolutions.com>]
Sent: Friday, October 30, 2015 9:13 AM
To: Ostrander, David
Subject: RE: GKM Mine Adit Sampling

Hi David,

Yes, attached here. Let me know if you need anything else!

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Ostrander, David [<mailto:Ostrander.David@epa.gov>]
Sent: Friday, October 30, 2015 8:56 AM
To: Pryhoda, Moira <Moira.Pryhoda@WestonSolutions.com>
Subject: RE: GKM Mine Adit Sampling

Moira, looking back through my emails I did not find data validation reports for all analyses for both water and sediment. I did find a number of Test America reports on results, but I only found validation reports for sample delivery groups 680-117013-2 and -5. Do you have a complete set of validation reports (except rad) that you can send me?

Thanks

From: Pryhoda, Moira [<mailto:Moira.Pryhoda@WestonSolutions.com>]
Sent: Wednesday, October 28, 2015 4:11 PM
To: Michael Cherny; Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner,

Philip; Griffin, Susan; Way, Steven
Cc: Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn;
Peterson, Cynthia; Kappelman, David; Holmes, Marcus
Subject: GKM Mine Adit Sampling

Hi All,

I have attached the revised preliminary radionuclide EDD received today. We are waiting for a revised data package from the lab to accompany this EDD before validation can begin.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Tuesday, October 27, 2015 3:38 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>;

'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; 'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: GKM Mine Adit Sampling

Hi All,

Validated radionuclide data is not yet available. The revised preliminary EDD received yesterday did not include total propagated uncertainty (TPU). This is a value that is new to the Scribe EDD format so it took some time to determine where it fits best. This data is a priority for both the lab and the validators, and we are working through this issue as fast as possible.

Thanks,

Moirá Pryhoda

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Lakewood, CO 80215

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Monday, October 26, 2015 4:44 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner,

Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; 'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: RE: GKM Mine Adit Sampling

Hi All,

I have attached a revised preliminary radionuclide EDD which was previously requested by the validators. There may be further changes to the EDD format if needed for validation. This is the most current EDD for this data.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Thursday, October 22, 2015 4:01 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills,

Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott
<W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner,
Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven'
<way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>;
'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson,
Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>;
'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: GKM Mine Adit Sampling

Hi All,

There is no update to the Mine Adit sample tracker today. The radionuclide validation is not yet available due to changes needed in the data package for validation purposes. I will update you as soon as the revised preliminary data package is available.

Thanks,

Moira Pryhoda

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Wednesday, October 21, 2015 4:19 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce'
<Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David
<David.Robinson@WestonSolutions.com>; Blanchard, Mark R.

<M.Blanchard@WestonSolutions.com>; Glabach, John
<John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott
<W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; 'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: RE: GKM Mine Adit Sampling

Hi All,

I have attached today's version of the Mine Adit sample tracker, current as of 10/21/15. The preliminary data for radionuclides was received today which is also attached here. This data is in a priority position for validation.

Thanks,

Moir Pryhoda

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From: Pryhoda, Moira

Sent: Friday, October 16, 2015 3:39 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce'

<Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David
<David.Robinson@WestonSolutions.com>; Blanchard, Mark R.
<M.Blanchard@WestonSolutions.com>; Glabach, John
<John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills,
Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott
<W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner,
Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven'
<way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>;
'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-
Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson,
Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>;
'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: GKM Mine Adit Sampling

Hi All,

I have attached today's version of the Mine Adit sample tracker, current as of 10/16/15. All data received has been validated and uploaded into Scribe. We expect the water and sediment radionuclide data to be available the week of October 26th. I will update the Mine Adit sample tracker again when this data is available.

Thanks, and have a great weekend.

Moira Pryhoda

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Cell: 508-904-7579

From: Pryhoda, Moira
Sent: Thursday, October 15, 2015 3:40 PM
To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; 'Holmes, Marcus' <Holmes.Marcus@epa.gov>
Subject: GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/15/15.

I have also attached two re-validated SDGs: D75708 and 680-117013-5 as well as the newly validated 680-117013-2.

Thanks,

Moira Pryhoda

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Lakewood, CO 80215

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From: Pryhoda, Moira

Sent: Wednesday, October 14, 2015 3:42 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>

Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; 'Holmes, Marcus' <Holmes.Marcus@epa.gov>

Subject: GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/14/15.

An issue was caught with the Accutest EDD: In the two hexachromium duplicate results, the result was "0" but there was a "Y" in the detection field. This has been corrected by the lab and the new preliminary EDD is attached here. This EDD is in a priority position for re-validation. Additionally, Dioxin results for the sediment sample were received today. I have attached the report and preliminary EDD, which is also in a priority position for validation.

Thanks,

Moira Pryhoda

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1435 Garrison St, Ste 100

Lakewood, CO 80215

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Tuesday, October 13, 2015 3:48 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>; Holmes, Marcus <Holmes.Marcus@epa.gov>
Subject: GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/13/15. I received the validated Accutest EDD today, also attached here along with the validation report. We are expecting Dioxin results tomorrow.

Thanks,

Moira Pryhoda

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1435 Garrison St, Ste 100

Lakewood, CO 80215

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Monday, October 12, 2015 4:00 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>

Subject: GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/12/15 at 4:00 PM. I received the revised preliminary Accutest EDD today, also attached here. This is in a priority position for validation.

Thank you,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Friday, October 09, 2015 4:01 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>

Subject: GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/9/15 at 4:00 PM. No new preliminary of validated data was received today. Additionally, Accutest is having a hard time fixing the pH value mistake in the EDD. It has been sent to the IT department at Accutest. The preliminary data is correct in the PDF file of the results attached in an earlier email, but the data will not be validated until a revised EDD is available.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

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Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Thursday, October 08, 2015 4:15 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Peterson, Cynthia' <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>

Subject: GKM Mine Adit Sampling

I have attached the current version of the Mine Adit sample tracker, current as of 10/8/15 at 4:00 PM. No new preliminary or validated data was received today. Please note that the Accutest EDD received yesterday will be revised by the lab due to an incorrect pH value on the EDD (100 s.u.). Validated data will not be available until after this revision is complete.

Please let me know of any questions, and have a great evening.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Wednesday, October 07, 2015 4:38 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; Peterson, Cynthia <Peterson.Cynthia@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>

Subject: GKM Mine Adit Sampling

I have attached the 10/7/15 version of the Mine Adit sample tracker, current as of 4:30 PM. I have also attached the preliminary EDD for the Hexavalent Chromium, Nitrate and Nitrite run at Accutest. This has been sent for validation and a validated EDD should be available tomorrow.

Thanks,

Moira Pryhoda

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From: Pryhoda, Moira
Sent: Tuesday, October 06, 2015 3:47 PM
To: 'Michael Cherny' <michael.cherny@mecx.net>; 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; 'Smith, Terry' <Smith.Terry@epa.gov>; 'Turner, Philip' <Turner.Philip@epa.gov>; 'Griffin, Susan' <Griffin.Susan@epa.gov>; 'Way, Steven' <way.steven@epa.gov>
Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; 'Jenkins, Laura Flynn' <Jenkins.Laura@epa.gov>; 'Kappelman, David' <Kappelman.David@epa.gov>
Subject: RE: GKM Mine Adit Sampling

All,

I have attached the 10/6/15 version of the Mine Adit sample tracker. There were no updates today. Hexavalent Chromium in soil is being run at Accutest today. I anticipate having the results and an EDD for Accutest samples early tomorrow.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Monday, October 05, 2015 4:11 PM

To: 'Michael Cherny' <michael.cherny@mecx.net>; Ackerman, Joyce <Ackerman.Joyce@epa.gov>; Wall, Dan <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; Houston, Maria <Houston.Maria@epa.gov>; Mills, Bethany <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>; Smith, Terry <Smith.Terry@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Griffin, Susan <Griffin.Susan@epa.gov>; Way, Steven <way.steven@epa.gov>

Cc: Romero, David <Romero.David@epa.gov>; Ostrander, David <Ostrander.David@epa.gov>; Foster, Althea <Foster.Althea@epa.gov>; Barry, Michael <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; Janovec, Marilyn <Janovec.Marilyn@epa.gov>; Jenkins, Laura Flynn <Jenkins.Laura@epa.gov>; Kappelman, David <Kappelman.David@epa.gov>

Subject: GKM Mine Adit Sampling

All,

Attached is the latest version of the Mine Adit Sample tracker, current as of 10/5/15 at 4:00 PM. There were no updates to today's version.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Michael Cherny [<mailto:michael.cherny@mecx.net>]

Sent: Sunday, October 04, 2015 4:00 PM

To: Ackerman, Joyce <Ackerman.Joyce@epa.gov>; Wall, Dan <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R.

<M.Blanchard@WestonSolutions.com>; Glabach, John

<John.Glabach@WestonSolutions.com>; Houston, Maria <Houston.Maria@epa.gov>; Mills,

Bethany <Mills.Bethany@epa.gov>; Butterfield, W. Scott

<W.S.Butterfield@WestonSolutions.com>; Smith, Terry <Smith.Terry@epa.gov>; Turner,

Philip <Turner.Philip@epa.gov>; Griffin, Susan <Griffin.Susan@epa.gov>; Way, Steven

<way.steven@epa.gov>

Cc: Romero, David <Romero.David@epa.gov>; Ostrander, David

<Ostrander.David@epa.gov>; Foster, Althea <Foster.Althea@epa.gov>; Barry, Michael

<Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>;

Janovec, Marilyn <Janovec.Marilyn@epa.gov>; Jenkins, Laura Flynn

<Jenkins.Laura@epa.gov>; Kappelman, David <Kappelman.David@epa.gov>; Pryhoda, Moira

<Moira.Pryhoda@WestonSolutions.com>

Subject: RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, as of 10/4/15 at 4:00 PM. There were no new updates to today's version.

Thanks,

michael cherny I environmental scientist I mecx

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

Michael.cherny@mecx.net

<http://www.mecx.net>

From: Michael Cherny

Sent: Saturday, October 03, 2015 4:50 PM

To: Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

Cc: Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Jenkins, Laura Flynn; Kappelman, David; Pryhoda, Moira

Subject: RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, as of 10/3/15 at 4:30 PM. There were no new updates to today's version.

Thanks,

michael cherny I environmental scientist I mecx

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

Michael.cherny@mecx.net

<http://www.mecx.net>

From: Michael Cherny

Sent: Friday, October 02, 2015 4:36 PM

To: Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

Cc: Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Jenkins, Laura Flynn; Kappelman, David; Pryhoda, Moira

Subject: RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, updated as of 10/2/15 at 4:30 PM. I have also attached 2 validated EDDs and 1 preliminary report for which an EDD is not yet available.

Thanks,

michael cherny I environmental scientist I mecx

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

Michael.cherny@mecx.net

<http://www.mecx.net>

From: Pryhoda, Moira [Moira.Pryhoda@WestonSolutions.com]

Sent: Thursday, October 01, 2015 4:07 PM

To: Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

Cc: Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Barry, Michael; Jenkins, Laura Flynn; Kappelman, David; Michael Cherny

Subject: GKM Mine Adit Sampling

Please find the latest version of the Mine Adit sample tracker attached, updated as of 10/1/15 at 4:00 PM. I have also attached 2 preliminary EDDs, 1 preliminary report for which an EDD is not yet available, and one validated EDD. I will be out of the office on Friday through the weekend. Mike Cherny will continue to provide updates on this sample tracker while I'm away.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira
Sent: Wednesday, September 30, 2015 3:59 PM
To: 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott <W.S.Butterfield@WestonSolutions.com>
Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David' <Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>; Barry, Michael <Barry.Michael@epa.gov>; Jenkins, Laura Flynn <Jenkins.Laura@epa.gov>; Kappelman, David <Kappelman.David@epa.gov>
Subject: RE: GKM Mine Adit Sampling

I have attached the Mine Adit sample tracker, updated as of 9/30/15 at 4:00 PM. I have also attached one validated EDD and one preliminary EDD that I received today.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira
Sent: Tuesday, September 29, 2015 4:07 PM
To: 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>;

Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R.
<M.Blanchard@WestonSolutions.com>; Glabach, John
<John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills,
Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott
<W.S.Butterfield@WestonSolutions.com>
Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David'
<Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael'
<Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>;
'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>
Subject: RE: GKM Mine Adit Sampling

The Mine Adit sample tracker is attached, updated as of 9/29/15 at 4:00 PM. I have also attached one revised preliminary EDD and one validated EDD that I received today. Please let me know if you have any questions.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Monday, September 28, 2015 4:28 PM

To: 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>;
Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R.
<M.Blanchard@WestonSolutions.com>; Glabach, John
<John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills,
Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott
<W.S.Butterfield@WestonSolutions.com>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David'

<Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael' <Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; 'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>

Subject: RE: GKM Mine Adit Sampling

All,

I've attached the Mine Adit sample tracker, updated as of 9/28/15 at 4:30 PM. I have also attached one validated EDD and two preliminary EDDs that I have received. The validated EDD is in Access format for SCRIBE input. Please let me know if you need this converted.

Thank you,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Friday, September 25, 2015 4:02 PM

To: 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>; 'Wall, Dan' <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R.

<M.Blanchard@WestonSolutions.com>; Glabach, John

<John.Glabach@WestonSolutions.com>; 'Houston, Maria' <Houston.Maria@epa.gov>; 'Mills, Bethany' <Mills.Bethany@epa.gov>; Butterfield, W. Scott

<W.S.Butterfield@WestonSolutions.com>

Cc: 'Romero, David' <Romero.David@epa.gov>; 'Ostrander, David'

<Ostrander.David@epa.gov>; 'Foster, Althea' <Foster.Althea@epa.gov>; 'Barry, Michael'

<Barry.Michael@epa.gov>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>;

'Janovec, Marilyn' <Janovec.Marilyn@epa.gov>

Subject: RE: GKM Mine Adit Sampling

All,

I have attached the updated sample tracker with the date and time of the preliminary data package received. This is current for all data received as of 4:00 PM on 9/25/15.

Thank you,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

From: Pryhoda, Moira

Sent: Friday, September 25, 2015 12:20 PM

To: Ackerman, Joyce <Ackerman.Joyce@epa.gov>; Wall, Dan <wall.dan@epa.gov>; Robinson, David <David.Robinson@WestonSolutions.com>; Blanchard, Mark R. <M.Blanchard@WestonSolutions.com>; Glabach, John <John.Glabach@WestonSolutions.com>; Houston, Maria <Houston.Maria@epa.gov>; Mills, Bethany <Mills.Bethany@epa.gov>

Cc: Romero, David <Romero.David@epa.gov>; Ostrander, David <Ostrander.David@epa.gov>; Foster, Althea <Foster.Althea@epa.gov>; Barry, Michael <Barry.Michael@epa.gov>; Pryhoda, Moira <Moira.Pryhoda@WestonSolutions.com>; Re-Telang, Becky <Becky.Re-Telang@WestonSolutions.com>; Janovec, Marilyn <Janovec.Marilyn@epa.gov>

Subject: GKM Mine Adit Sampling

All,

I have attached the preliminary results data package and EDD for the solid sample which includes the following analytes:

Ammonia

Nitrogen, Total Kjeldhal

TAL Metals

Mercury

PCBs

VOCs

Cyanide

Nitrate as N

Nitrate/Nitrite as N

Nitrite as N

This data package has been sent to validation. We can expect the validated results by the end of today.

Thank you,

Maira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

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